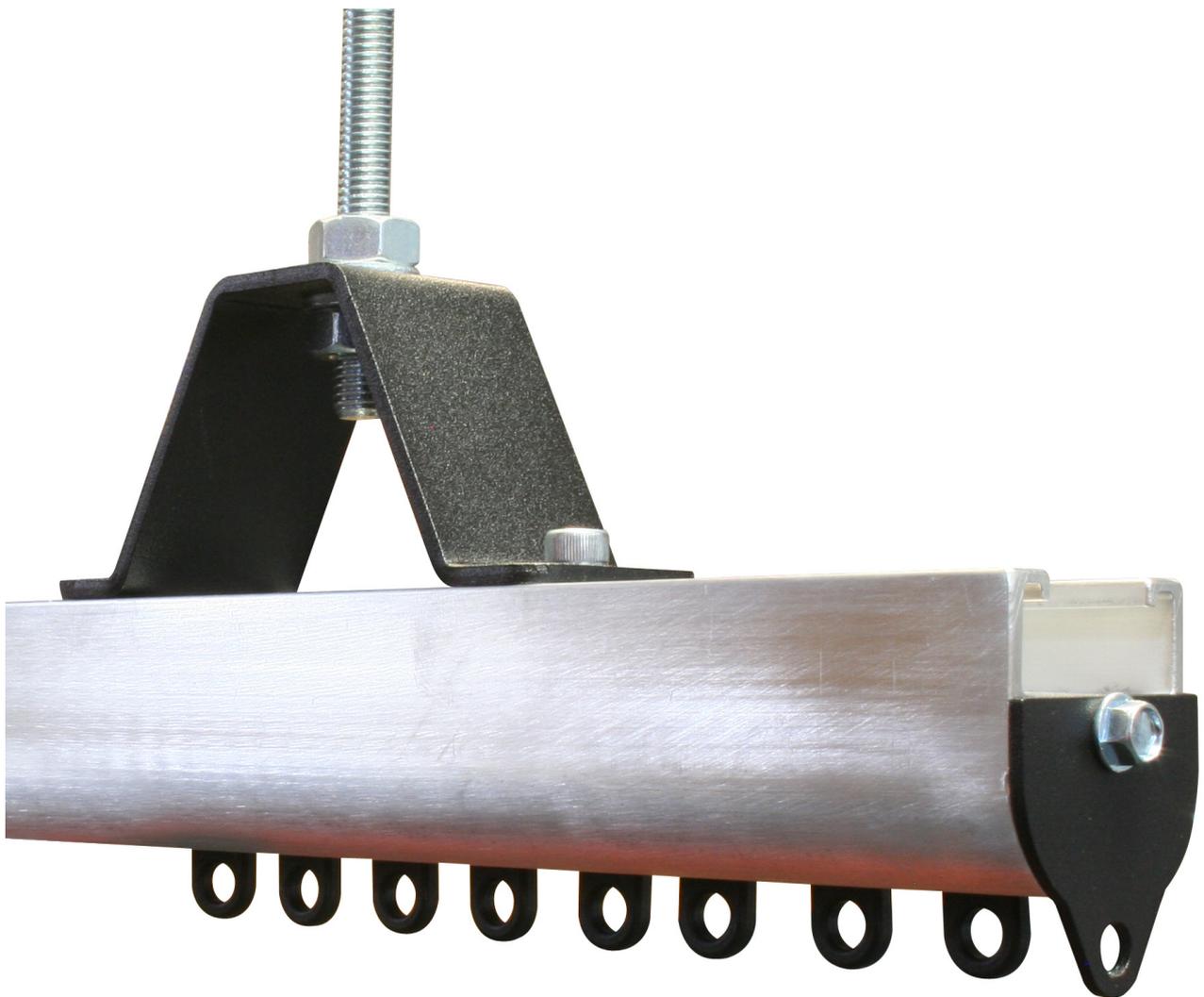




User Manual

Doughty Rail



Original Instructions

Contents:

Introduction..... 2

Exclusion of Liability 2

Safety Instructions 2

Operation..... 2

Installation 3

Parts list..... 4

Parts 5 - 12

Maintenance 13

Repairs 13

Contact Details 14

Doughty Rail is an extruded aluminium curtain rail system equipped with ball raced curtain runners. There is a range of brackets designed to suspend the rail in most situations. Doughty Rail is available in straight lengths from one to three metres and four radius curves.

Exclusion of Liability

Using this product for any other purpose other than described in this Manual, is considered contrary to it's designated use and the manufacturer cannot be held liable for any damage resulting from such use.

Safety Instructions

Doughty Rail must only be installed by qualified/competent personnel.

When installing/using Doughty Rail you must wear appropriate personal protective equipment suitable for the environment you are working in.

You must ensure that the installation is suitable for the application.

Never exceed the safe working load (SWL) as indicated in this Manual or SWL as instructed by your installer, as the installation conditions may alter the SWL.

Operation

To close the curtain, hold the curtain and walk away from the end stops without applying a downward force. The curtain will move along the track on the pre-fitted ball raced runners.

To open the curtain hold the curtain, and walk it backwards towards the end stops.

Please note if the curtain does not move freely along the Doughty Rail, then the installation needs checking for worn parts, damage and debris before use.

DO NOT USE EXCESSIVE FORCE TO MOVE THE CURTAIN ALONG THE RAIL.

Do not apply a downward force to the curtain as this could cause damage to the track, it's accessories or the fixings, which could lead to a failure of the equipment or installation.

Installing Doughty Rail

Installation should only be carried out by a competent person who is familiar with track / rail installations.

Various parts are available to achieve the fitment you require.

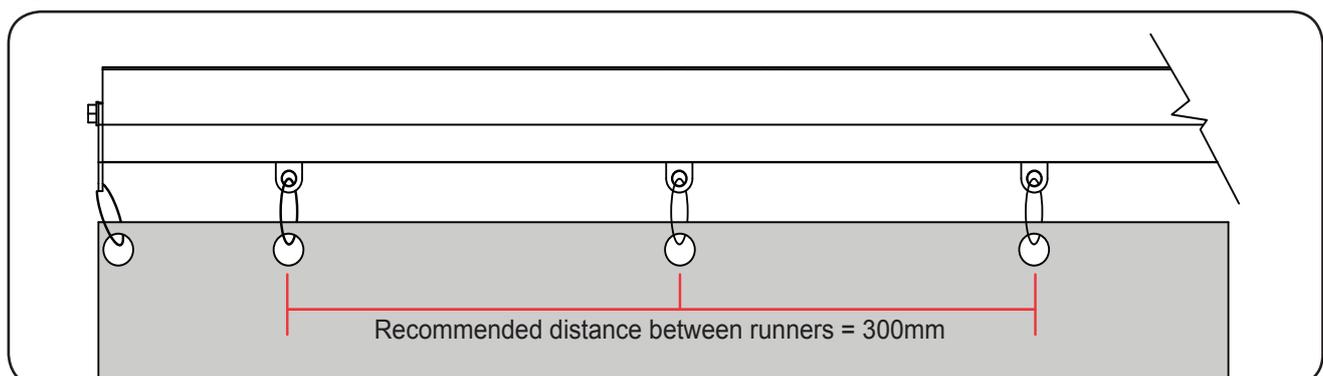
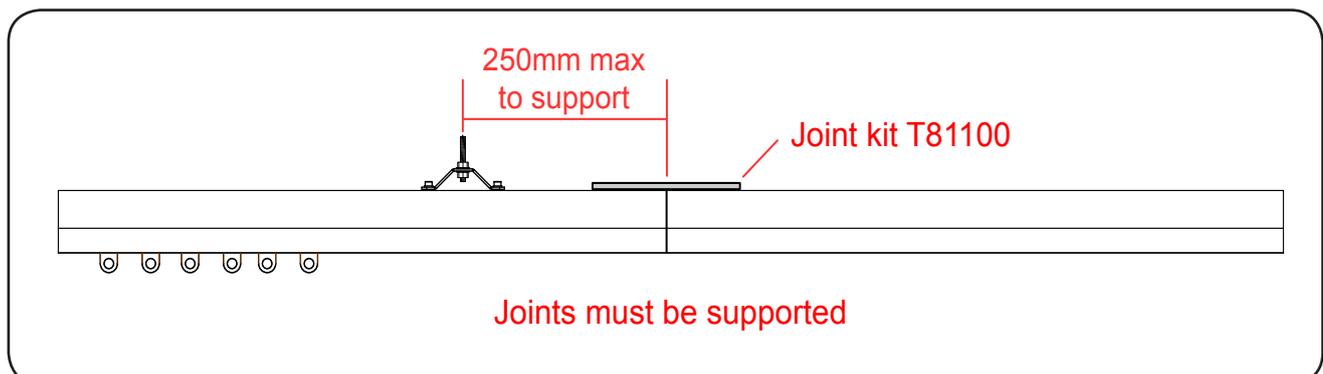
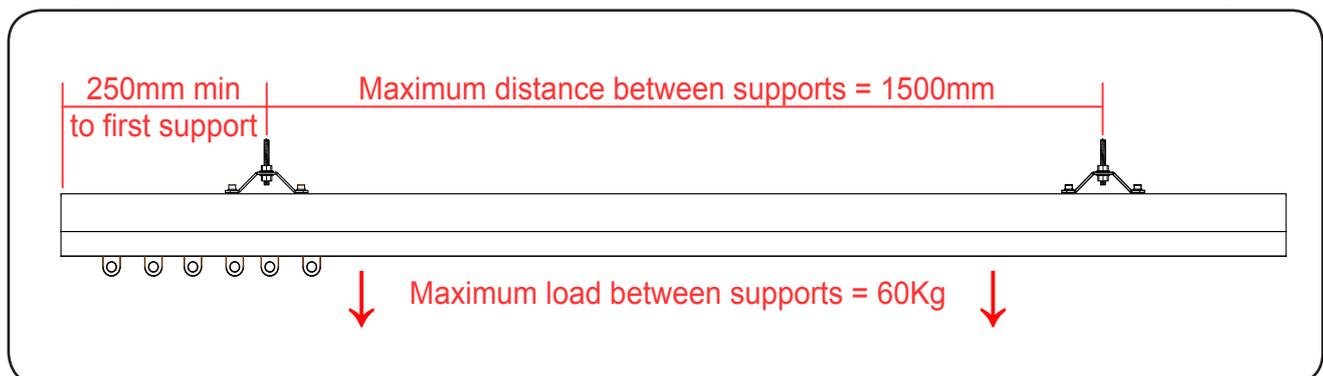
The installer must make sure the structure of the building and method of installation is suitable to hold Doughty Rail and loads safely.

The maximum span between fixings is 1500mm; however consideration must be taken into account of the type of installation.

Fixings must be fitted within 250mm of the end of the Doughty Rail irrespective of the size of the installation.

When joining rails a support must be used within 250mm of the joint.

Doughty Rail can be cut to size on site but care must be taken to remove all sharp edges.



Doughty Rail - Parts List

T81000	Doughty Rail - Straight 1.0m - (Silver)
T81001	Doughty Rail - Straight 1.0m - (Black)
T81010	Doughty Rail - Straight 2.0m - (Silver)
T81011	Doughty Rail - Straight 2.0m - (Black)
T81020	Doughty Rail - Straight 3.0m - (Silver)
T81021	Doughty Rail - Straight 3.0m - (Black)
T81050	Doughty Rail - Curve R45 - (Silver)
T81051	Doughty Rail - Curve R45 - (Black)
T81060	Doughty Rail - Curve R60 - (Silver)
T81061	Doughty Rail - Curve R60 - (Black)
T81070	Doughty Rail - Curve R75 - (Silver)
T81071	Doughty Rail - Curve R75 - (Black)
T81080	Doughty Rail - Curve R90 - (Silver)
T81081	Doughty Rail - Curve R90 - (Black)
T81100	Doughty Rail - Joint Kit (includes Joint Pin)
T81105	Doughty Rail - Joint Pin
T81110	Doughty Rail - Ceiling Bracket
T81120	Doughty Rail - Corner Ceiling Bracket
T81140	Doughty Rail - 25mm Top Hat
T81150	Doughty Rail - 50mm Top Hat
T81160	Doughty Rail - End Stop
T81161	Doughty Rail - Slide In End Stop
T81170	Doughty Rail - Wall Bracket
T81190	Unistrut Nut M6
T81191	Unistrut Nut M8
T81192	Unistrut Nut M10
T81200	Doughty Rail - Ball Raced Runner

1. Doughty Rail - Straight Sections

Doughty Rail is available in the following sizes:

T81000 - Doughty Rail 1000mm - Silver

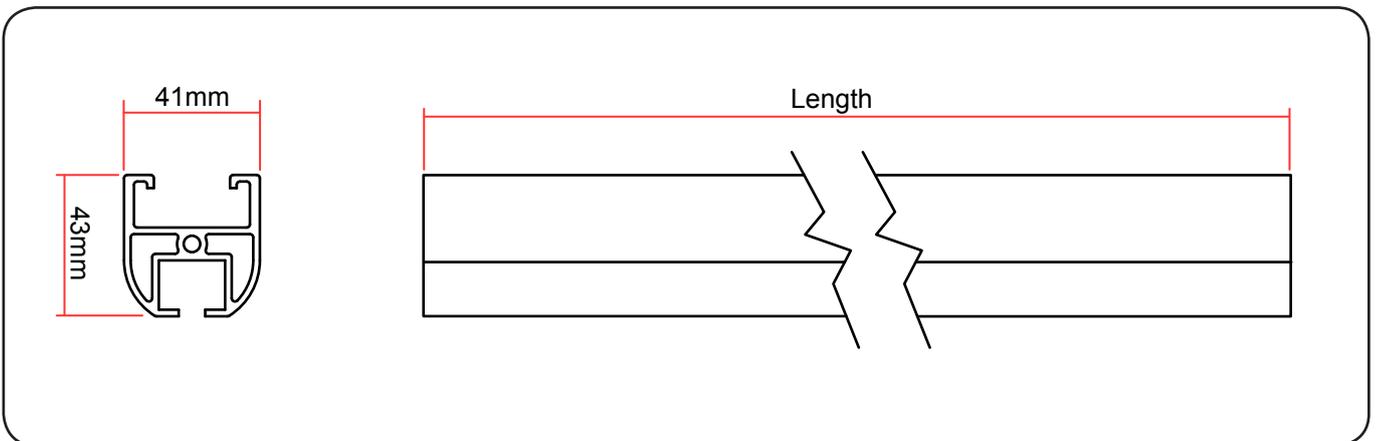
T81001 - Doughty Rail 1000mm - Black

T81010 - Doughty Rail 2000mm - Silver

T81011 - Doughty Rail 2000mm - Black

T81020 - Doughty Rail 3000mm - Silver

T81021 - Doughty Rail 3000mm - Black



2. Doughty Rail - Curved Sections

Doughty Rail curves are available in the following sizes:

T81050 - Doughty Rail R45 - Silver

T81051 - Doughty Rail R45 - Black

T81060 - Doughty Rail R60 - Silver

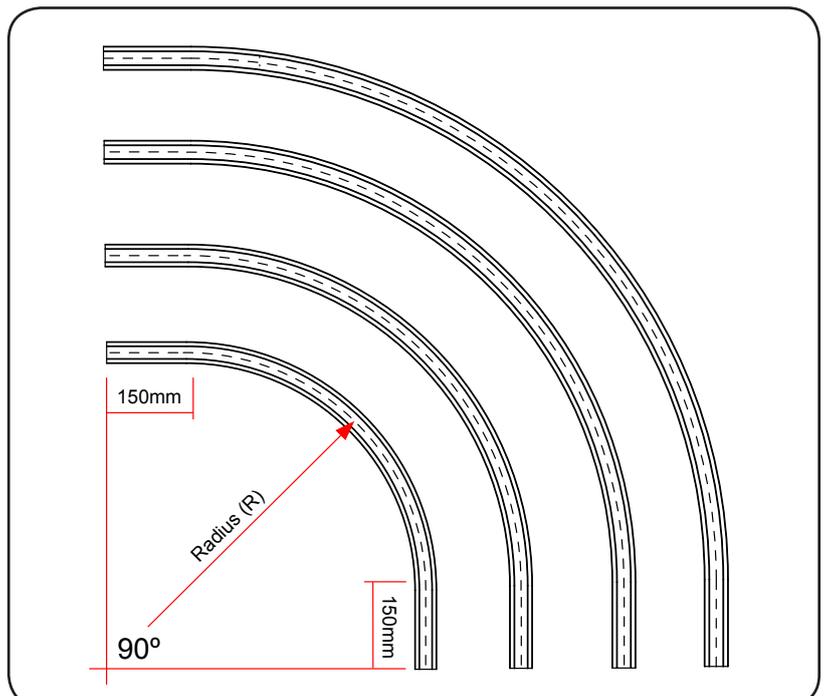
T81061 - Doughty Rail R60 - Black

T81070 - Doughty Rail R75 - Silver

T81071 - Doughty Rail R75 - Black

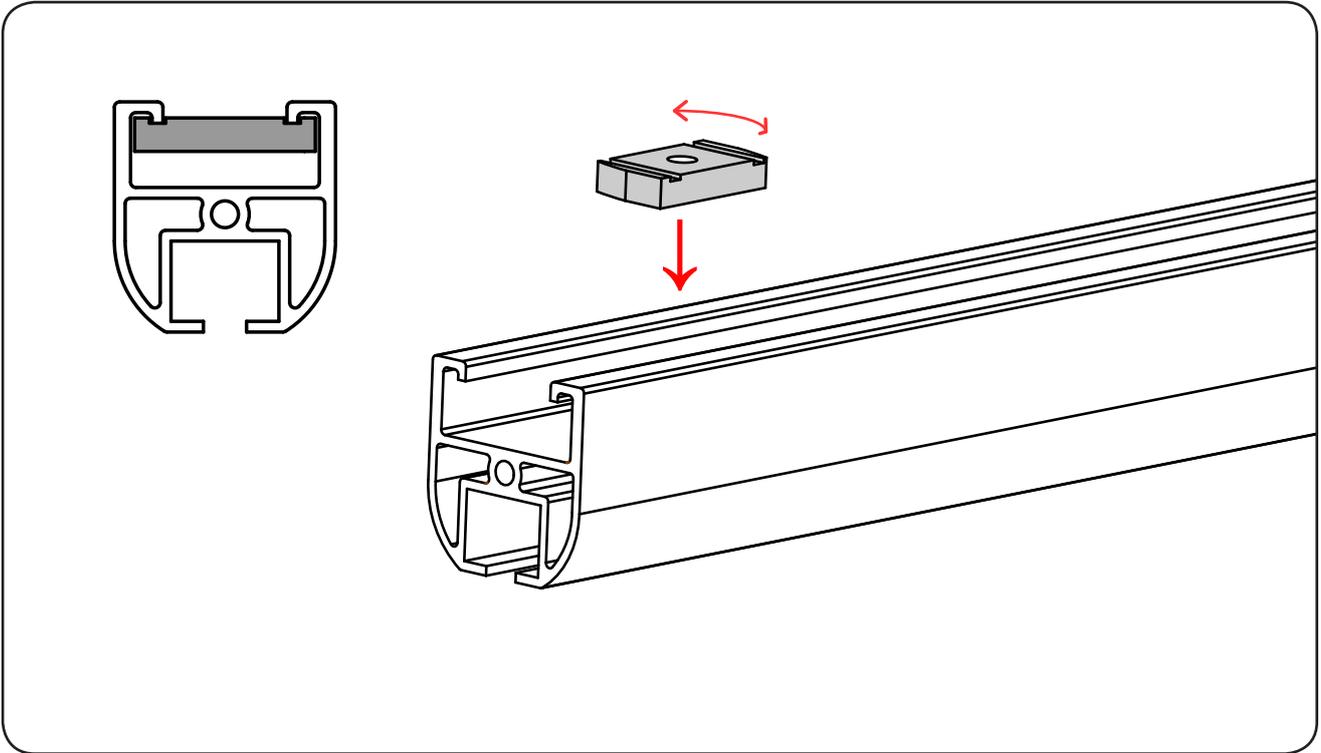
T81080 - Doughty Rail R90 - Silver

T81081 - Doughty Rail R90 - Black



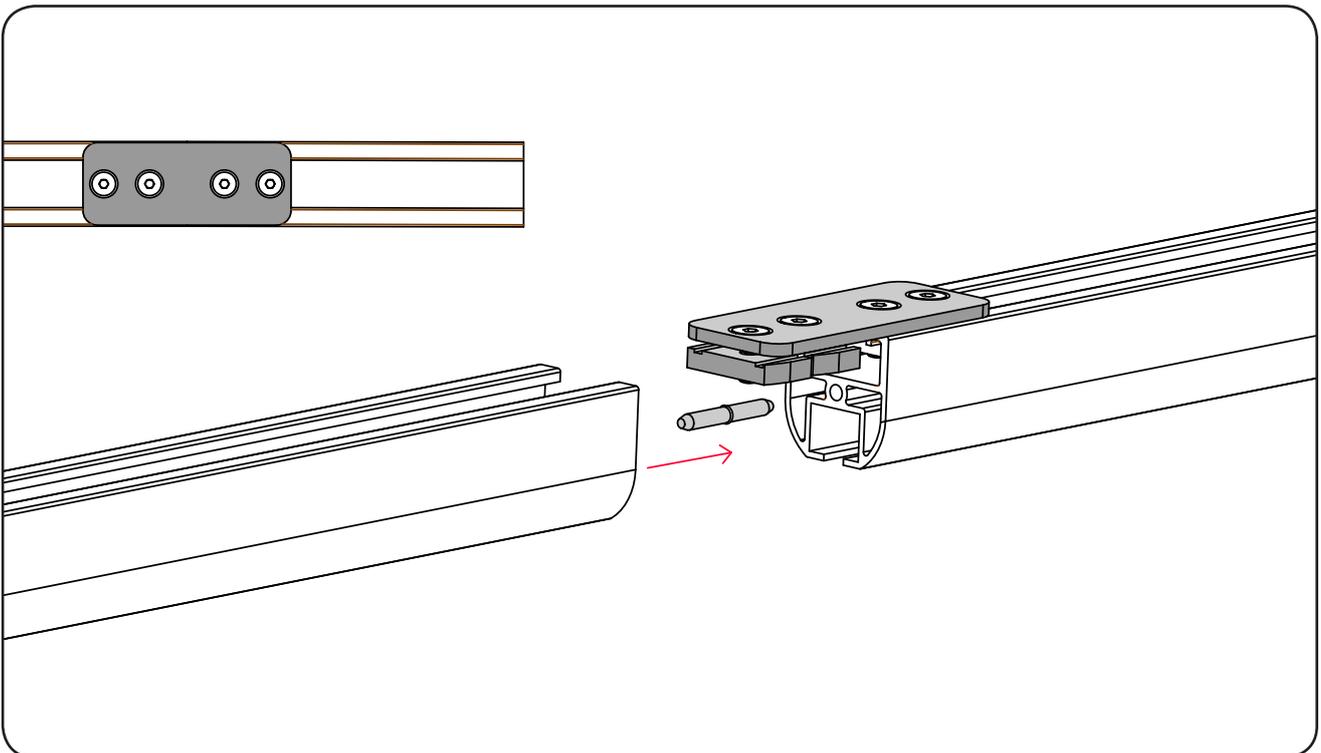
3. T81190 - Unistrut Nuts

Doughty Rail components are secured in place with standard M6 Unistrut nuts. Unistrut nuts are supplied with each component as required. Other sizes are available, see parts list.



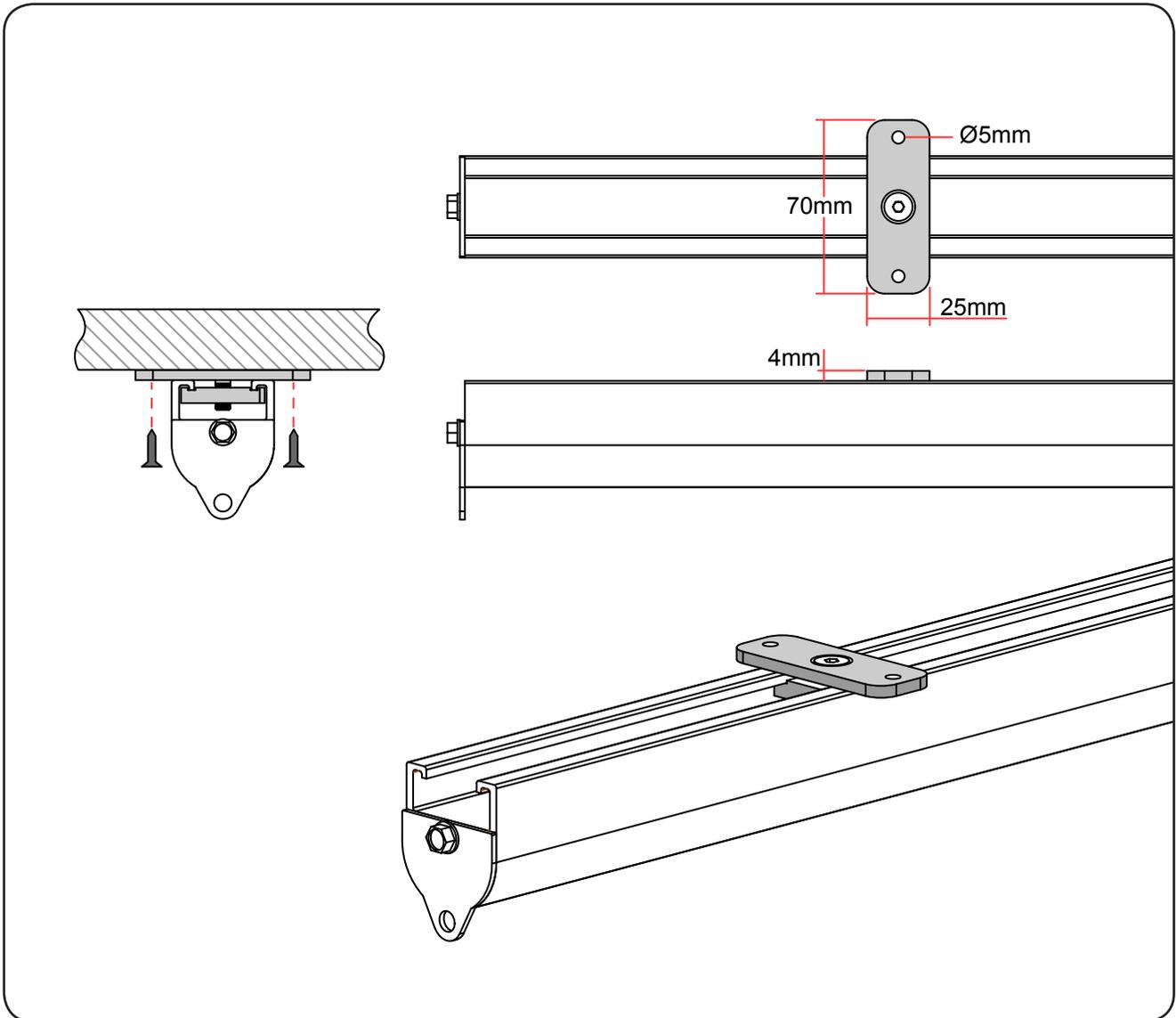
4. T81100 - Joint Kit

Doughty Rail sections are joined with a Joint Kit. This kit is supplied with a joint alignment pin to ensure the joints are perfectly aligned. Joints must be supported.



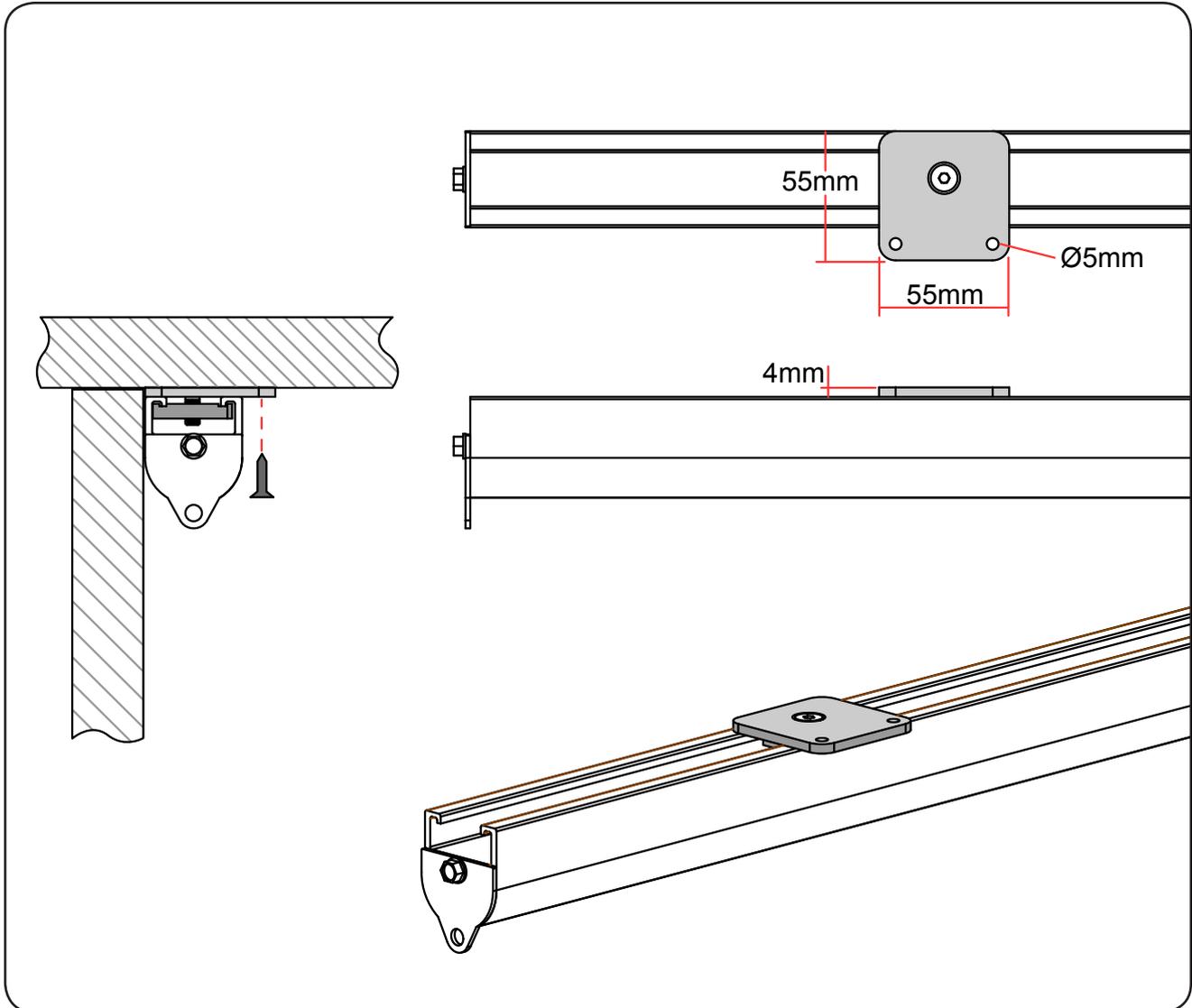
5. T81110 - Ceiling Bracket - SWL 60Kg

The Doughty Rail Ceiling Bracket is a mild steel bracket powder painted black. Secured in place with an M6 Unistrut nut, the ceiling mount enables Doughty Rail to be fixed closely to the ceiling virtually eliminating gaps for light to creep in. Fixing holes are 5mm diameter.



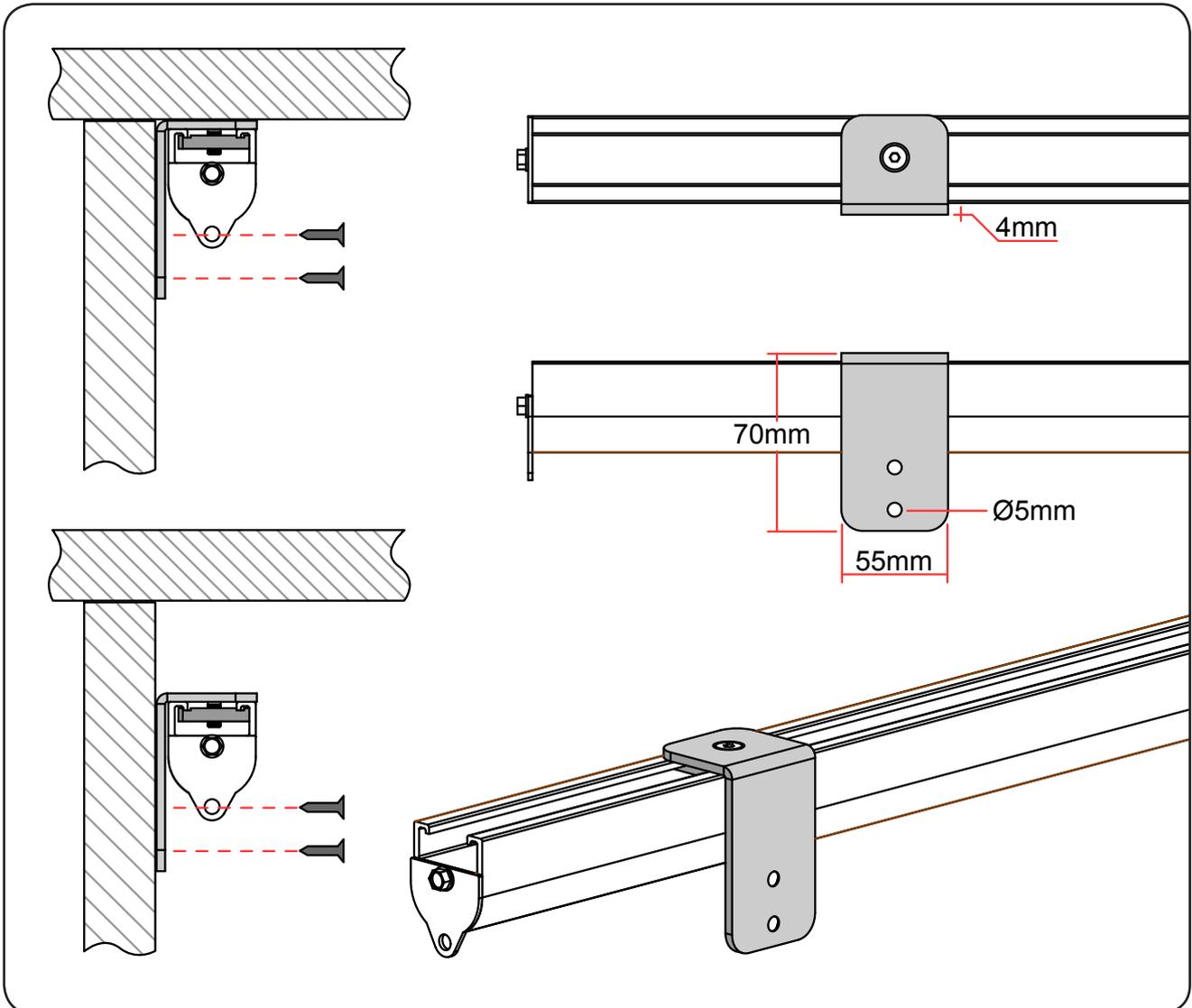
6. T81120 - Corner Ceiling Bracket - SWL 60Kg

The Doughty Rail Corner Ceiling Bracket is a mild steel bracket powder painted black. Secured in place with an M6 Unistrut nut, the ceiling mount enables Doughty Rail to be fixed closely to the ceiling and wall. Fixing holes are 5mm diameter.



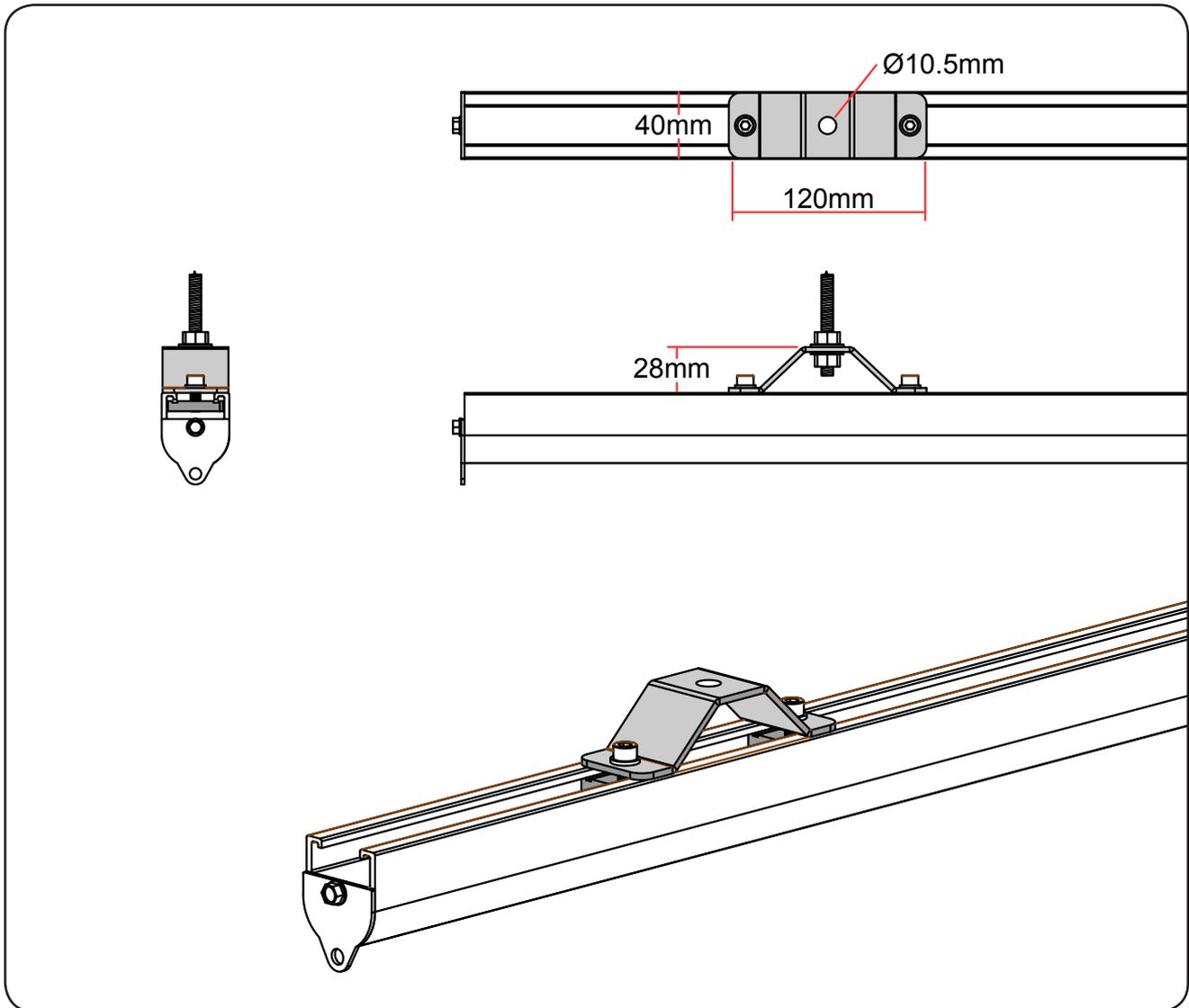
7. T81170 - Wall Bracket - SWL 60Kg

The Doughty Rail Wall Bracket is a mild steel bracket powder painted black. Secured in place with an M6 Unistrut nut, the wall bracket enables Doughty Rail to be fixed to a wall with two fixings (not supplied). Fixing holes are 5mm diameter.



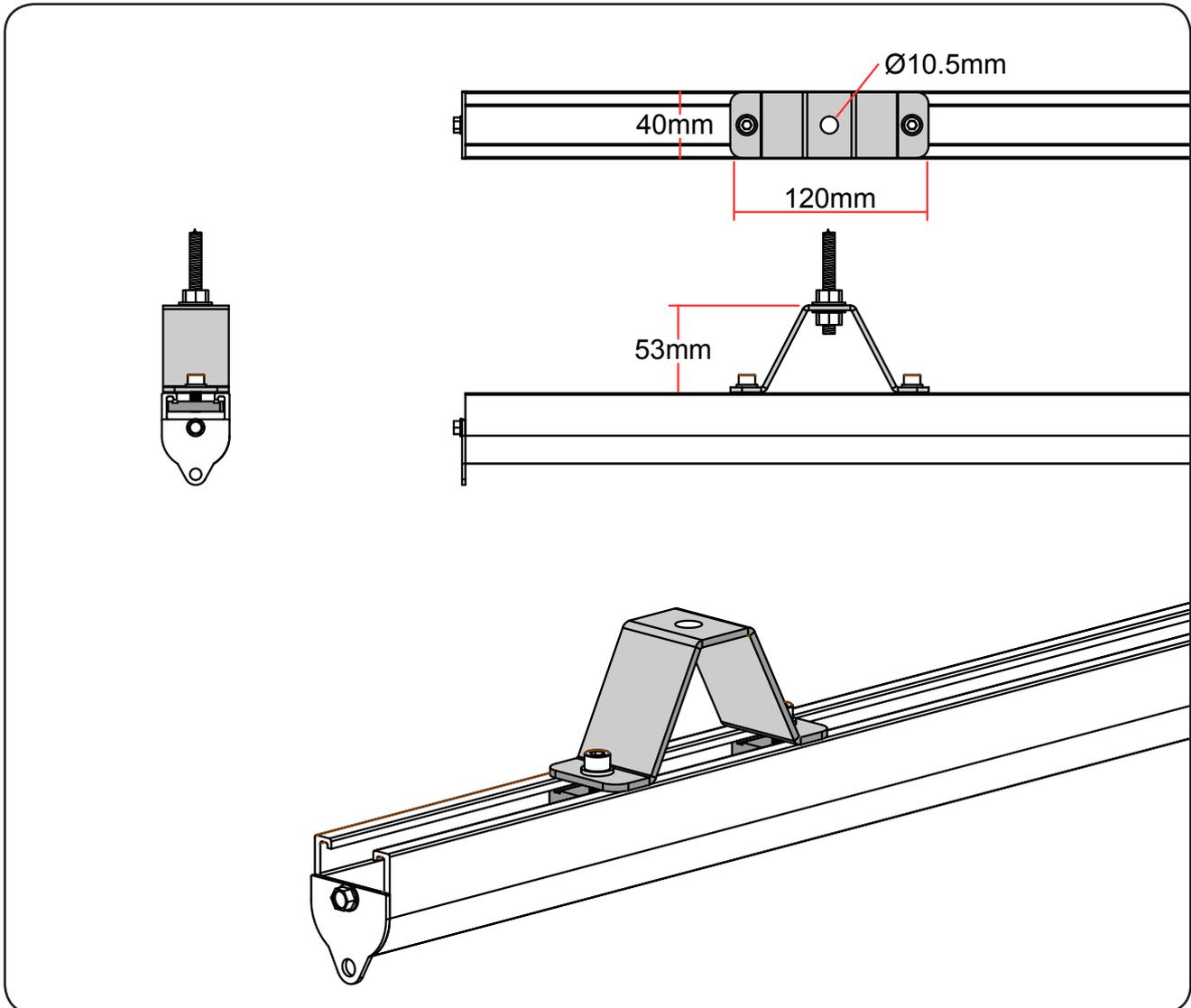
8. T81140 - 25mm Top Hat - SWL 60Kg

The Doughty Rail 25mm Top Hat Bracket is a mild steel bracket powder painted black. Secured in place with M6 Unistrut nuts, the ceiling mount enables Doughty Rail to be fixed with an M10 stud giving approx. 15mm of height adjustment.



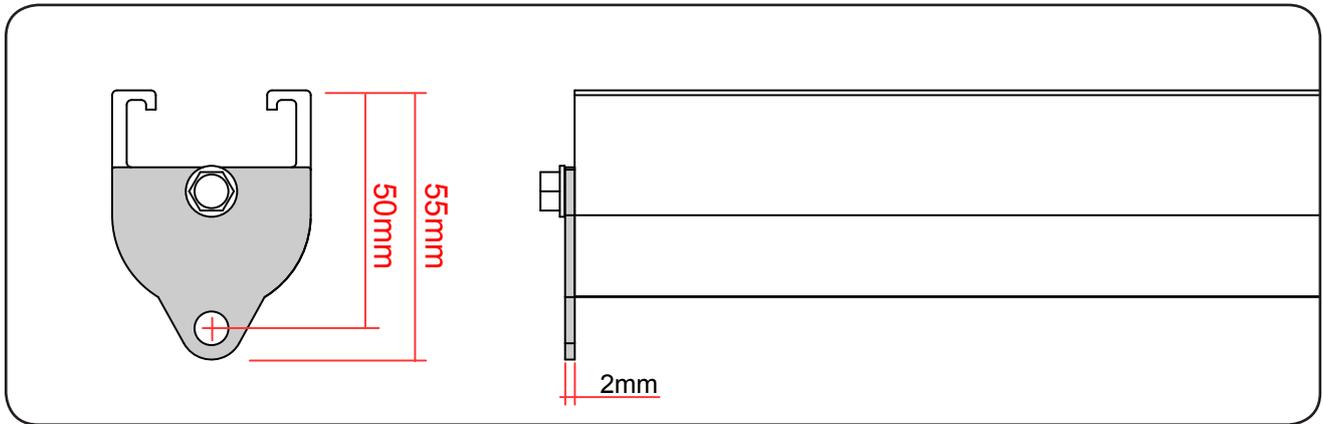
9. T81150 - 50mm Top Hat - SWL 60Kg

The Doughty Rail 50mm Top Hat Bracket is a mild steel bracket powder painted black. Secured in place with M6 Unistrut nuts, the ceiling mount enables Doughty Rail to be fixed with an M10 stud giving approx. 40mm of height adjustment.



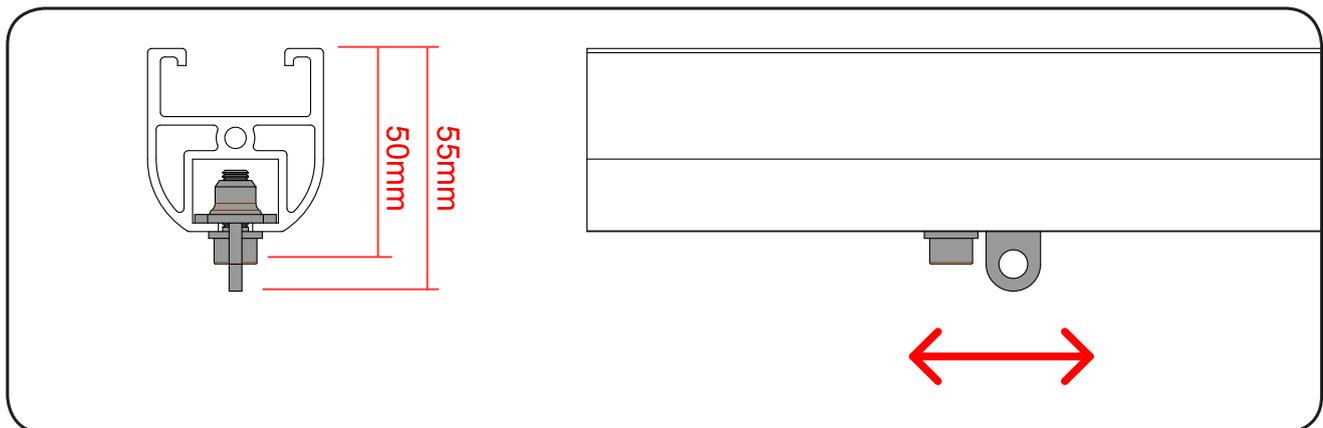
10. T81160 - End Stop

The Doughty Rail End Stop is a mild steel bracket powder painted black. Secured in place with a self tapping screw (included), the end stop features a hole for the curtain to be attached.



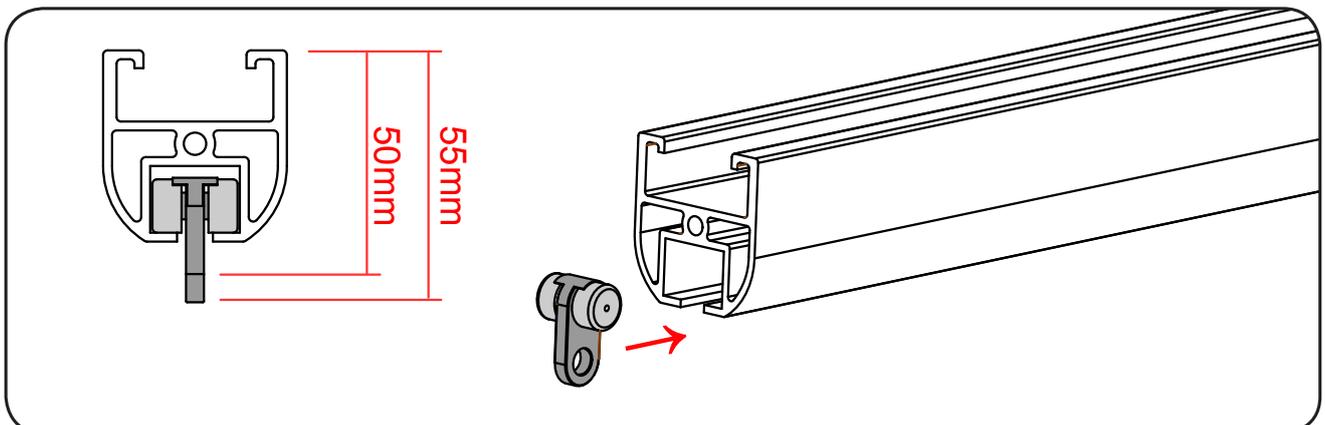
11. T81161 - Slide In End Stop

The Doughty Rail Slide In End Stop is a mild steel bracket powder painted black. Secured in place with a allen key, this end stop enables a fixed eye to be positioned anywhere along the Rail.



12. T81200 - Ball Raced Runner - SWL 6Kg

The Doughty Rail ball raced runners are a moulded plastic component. Each runner has a SWL of 6Kg and it is recommended these runners are at 300mm intervals throughout the span of the Curtain/Drape.



Maintenance

- Maintenance must only be carried out by approved personnel.
- Approved personnel must make regular checks to the product.
- If you see any damage including cracks, deformation or missing parts, the product must be removed from service and an 'Approved Doughty Service Agent' should inspect the item for repair.
- A full list of approved service agents can be found on our website www.doughty-engineering.co.uk.
- Approved personnel must carry out a visual and a function test before every usage.
- Approved personnel must carry out more detailed inspection and testing of the product on a regular basis depending on the usage of the product. Written records should be kept from the date the product was put into operation.



Warning

The installer/operator must read and understand the Instruction Manual before using the equipment.

Operators shall be adequately instructed and fully understand the safe use of the equipment before use.

Failure to carry out maintenance as necessary, including the replacement of parts to the correct standard could render this equipment unsafe and the manufacturer cannot accept any responsibility in this respect.

Only use approved spare parts.

Do not modify the equipment as this could lead to a critical failure.

Do not use this equipment for a purpose that it is not intended. This could lead to a failure of the equipment and a risk of falling objects.



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Note: Whilst every effort has been made to ensure that the information contained within this manual is correct, Doughty Engineering does not accept any liability for errors or omissions. Specifications and technical data are intended for guidance purposes only and may vary.

Retain this information for future reference